



SEQUENCE LISTING

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<120> Method for Modulating G-Protein Coupled Receptors

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<140> US 09/463,733
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<160> 1

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<210> 1
<211> 661
<212> PRT
<213> Drosophila melanogaster

<220>
<223> retinal degeneration C (RDGC) protein

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Arg Arg His Gln Ala Arg Arg Glu Met Gln Arg Arg Cys Asn Trp Gln
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Ile Phe Gln Asn Leu Glu Tyr Ala Ser Glu Gln Asp Gln Ala Glu Leu
35 40 45
Tyr Lys Phe Phe Asn Asp Leu Ile Lys His Met Pro Gln Ala Ala Gly
50 55 60
Arg Lys Asn Gln Tyr Gln Gly Ser Ala His Val Ser Val Leu Asp Asp
65 70 75 80
Lys Asp Asp Leu Val Glu Glu Phe Gly Asp Ile Val Asn Ala Lys Ile
85 90 95
Glu Leu Pro Ile Arg Lys Asn His Ile Asp Leu Leu Ile Asp Val Phe
100 105 110
Arg Lys Lys Arg Gly Asn Arg Leu His Pro Lys Tyr Val Ala Leu Ile
115 120 125
Leu Arg Glu Ala Ala Lys Ser Leu Lys Gln Leu Pro Asn Ile Ser Pro
130 135 140

Val	Ser	Thr	Ala	Val	Ser	Gln	Gln	Val	Thr	Val	Cys	Gly	Asp	Leu	His
145					150					155					160
Gly	Lys	Leu	Asp	Asp	Leu	Leu	Val	Val	Leu	His	Lys	Asn	Gly	Leu	Pro
				165					170						175
Ser	Ser	Ser	Asn	Pro	Tyr	Val	Phe	Asn	Gly	Asp	Phe	Val	Asp	Arg	Gly
			180					185						190	
Lys	Arg	Gly	Leu	Glu	Val	Leu	Leu	Leu	Leu	Leu	Ser	Leu	Tyr	Leu	Ala
		195					200					205			
Phe	Pro	Asn	Ala	Val	Phe	Leu	Asn	Arg	Gly	Asn	His	Glu	Asp	Ser	Val
	210					215					220				
Met	Asn	Ala	Arg	Tyr	Gly	Phe	Ile	Arg	Glu	Val	Glu	Ser	Lys	Tyr	Pro
225					230					235					240
Arg	Asn	His	Lys	Arg	Ile	Leu	Ala	Phe	Ile	Asp	Glu	Val	Tyr	Arg	Trp
				245					250					255	
Leu	Pro	Leu	Gly	Ser	Val	Leu	Asn	Ser	Arg	Val	Leu	Ile	Val	His	Gly
			260					265						270	
Gly	Phe	Ser	Asp	Ser	Thr	Ser	Leu	Asp	Leu	Ile	Lys	Ser	Ile	Asp	Arg
		275					280						285		
Gly	Lys	Tyr	Val	Ser	Ile	Leu	Arg	Pro	Pro	Leu	Thr	Asp	Gly	Glu	Pro
		290				295					300				
Leu	Asp	Lys	Thr	Glu	Trp	Gln	Gln	Ile	Phe	Asp	Ile	Met	Trp	Ser	Asp
305					310					315					320
Pro	Gln	Ala	Thr	Met	Gly	Cys	Val	Pro	Asn	Thr	Leu	Arg	Gly	Ala	Gly
				325					330					335	
Val	Trp	Phe	Gly	Pro	Asp	Val	Thr	Asp	Asn	Phe	Leu	Gln	Arg	His	Arg
			340					345						350	
Leu	Ser	Tyr	Val	Ile	Arg	Ser	His	Glu	Cys	Lys	Pro	Asn	Gly	His	Glu
		355					360						365		
Phe	Met	His	Asp	Asn	Lys	Ile	Ile	Thr	Ile	Phe	Ser	Ala	Ser	Asn	Tyr
	370					375					380				
Tyr	Ala	Ile	Gly	Ser	Asn	Lys	Gly	Ala	Tyr	Ile	Arg	Leu	Asn	Asn	Gln
385					390					395					400
Leu	Met	Pro	His	Phe	Val	Gln	Tyr	Ile	Ser	Ala	Ala	Ser	Gln	Thr	Lys
				405					410					415	
Arg	Leu	Ser	Phe	Lys	Gln	Arg	Met	Gly	Ile	Val	Glu	Ser	Ser	Ala	Leu
			420					425					430		
Lys	Glu	Leu	Ala	Val	Arg	Met	Arg	Asp	His	Arg	Asp	Glu	Leu	Glu	Asp
		435				440						445			
Glu	Phe	Arg	Lys	Tyr	Asp	Pro	Lys	Asp	Ser	Gly	Tyr	Ile	Ser	Ile	Ser
	450					455					460				

